Test Report
Consistency test

Project Name	Construction RCC Culvert at Maruthinagara 16th and 17th Cross Road in Ward No-01
Client	The Executive Engineer, Yelahanka Division, BBMP
Job No	QECD/BBMP/YNK/PMC/2019-2020
Mix Type	PCC(1:4:8)
Contractor	Sri Ragavendra Y B
Test Method	IS : 4031 (Part 5) -1988 & Specification for Road & Bridge Works, MORT&H, Rev-V.
Material	Cement
Sample No	1
Sample Collected Date	14-Mar-2019
Test Date	23-Mar-2019

Sl. No.	Description	Trial 1	Trial 2	Trial 3	Trial 4	Trial 4
1	Weight of Cement	400	400	400	400	400
2	Percentage of water added (%)	27	28.5	29.5	30	30.5
3	Weight of Water (gm)	108	114	118	120	122
4	Initial Reading of Plunger (mm)	40	40	40	40	40
5	Difference (mm)	19	16	11	6.5	5.5

Results: Standard Consistency of Cement: 30.50%

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

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Test Report
Compressive strength test

Project Name	Construction RCC Culvert at Maruthinagara 16th and 17th Cross Road in Kempegowda Ward No-01
Client	The Executive Engineer, Yelahanka Division, BBMP
Job No	QECD/BBMP/YNK/PMC/2019-2020
Mix Type	PCC(1:4:8)
Contractor	Sri Ragavendra Y B
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Material	Cement
Sample No	1
Sample Collected Date	14-Mar-2019
Test Date	21-Mar-2019

Cube	Cement Grade	Age at Test (Days)	Slump (mm)	Weight (kg)	Dimension (LxWxH)	Density (kg/m3)	Max. Load (KN)	Area (mm2)	Compressive Strength (N/mm2)	Average Sample (n/mm2)
1	43	7	-	0.810	70.6x70.6 x70.6	2302.0	180	4984	36.12	36.45
2	43	7	-	0.830	70.6x70.6 x70.6	2358	185	4984	37.12	

Results: 7-days Compressive strength of cement is 36.45N/mm^2

Comments: 7-days Compressive strength of cement should not be less than 33 N/mm^2

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